



BOROUGH OF FLINT.

ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH
AND
PUBLIC HEALTH INSPECTOR
FOR
1961.

BOROUGH OF FLINT.

Mayor 1961/62

Councillor Mrs. E. Roberts (to 19.12.61)
Councillor K. Pierce (from 29.1.62).

Chairman, Health Committee 1961/62

Councillor K. Pierce.

Officers:-

Town Clerk: William McIntyre, LL.B. (Dunelm).
Medical Officer of Health: Dr. D.J. Fraser M.B., Ch.B., D.P.H.
Central Office - Town Hall, Mold. Tel. Mold 176
Home Tel. Mold 316.

Public Health Inspector: L. Graham, M.A.P.H.I.

Borough Surveyor & Engineer: C.K. Drake, M.I. Mun.E., A.M.Inst. H.E.

Housing Manager: H. Byrne, F.I. Hsg., M.R.S.H. (to 31.8.61).
S.B. George, A.I. Hsg., M.R.S.H. (from 23.10.61).

Borough Treasurer: L.T. Stewart, B.Sc., (Econ.) A.I.M.T.A. (to 26.7.61)
A.H. Thorpe, F.I.M.T.A., F.R.V.A. (from 10.8.61)

Qualifications and duties of senior Public Health Officers (Circular 1/54).

1. Medical Officer of Health: (a) M.B., Ch.B., D.P.H.

Duties: As laid down in the Public Health Officers Regulations 1959. District Medical Officer of Health (Holywell R.D.C., Holywell U.D.C., Mold U.D.C.). Assistant County Medical Officer.

2. Public Health Inspector: (a) Certificate of the R.S.I. & S.I.E.J.B.

(b) Certificate as Inspector of Meat and other foods of the R.S.I.

Duties:- As laid down in the Public Health Officers Regulations 1959 including responsibility for Refuse Collection and Disposal and Cesspool Emptying.

BOROUGH OF FLINT.

To the Mayor, Aldermen and Members of the Borough Council of Flint.

Mr. Mayor, Ladies and Gentlemen,

I have the honour to present to you my report on the health of the Borough for the year 1961. The mid-year population was estimated 13,690 compared with 14,280 in 1960. Population 1961 Census - 13,690.

The live-births numbered 259, compared with 268 in 1960. The birth-rate was above that for England and Wales as a whole. There were 3 still-births. During the year 3 infants under a year old died, compared with 3 in 1960, 10 in 1959, 5 in 1958, 7 in 1957 and 13 in 1956. All three were under a week old.

Deaths of residents totalled 145 (129 in 1960) giving a slight rise in the death-rate, which was lower than that for the country as a whole. Of the total deaths, 63 were due to diseases of the heart and circulatory system, and 32 to cancer of one type or another. There were no deaths associated with pregnancy or childbirth. Deaths due to infectious or notifiable diseases include 11 due to Pneumonia. Accidents accounted for 8 deaths, 4 being motor accidents.

There were 8 new cases of Tuberculosis, some of them being newly arrived residents from other areas. During the year, there were 135 notifications of infectious and notifiable diseases (excluding Tuberculosis). There were no cases of Diphtheria, Meningitis, Enteric Fever, or Food Poisoning. Measles accounted for 131 of the 135 notifications. There was one case of poliomyelitis.

In addition to the day to day work of the Health Department, considerable progress was made with the carrying out of the Council's Slum Clearance programme. Other work included the immunization of children and young adults against Poliomyelitis, and the protection of children against Tuberculosis by means of B.C.G. vaccination, and against Whooping cough, Diphtheria and Tetanus with the introduction of a new vaccine.

Sections C,D and E, concerning water supplies, sewerage, inspections of factories, housing and food and drugs were written by your Public Health Inspector, Mr. L. Graham, to whom I am indebted for his co-operation and efficiency.

In conclusion I wish to thank all the Officers of the Council for their ready help at all times throughout the year.

I am, Mr. Mayor, Ladies and Gentlemen,

Your obedient Servant,

D.J. Fraser.

Medical Officer of Health.

SECTION A.

Social Conditions, including Vital Statistics.

Area:- 6,243 statutory acres.

Population:- (1961 Census): 13,690. Registrar General's Estimate at
mid-year 1961: 13,690.

Number of Inhabited Houses: 4,171

Average Number of persons per house: 3.282

Population Density: 2.193 persons per statutory Acre.

Rateable Value: £195,701 Product of Penny Rate: £800

Table I

Vital Statistics 1961

| | | |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------|
| <u>Population:</u> | Registrar General's Estimate at Mid-Year: | 13,690 |
| <u>Live Births:</u> | | 259 |
| Live Birth Rate per 1000 population: | | 18.91 |
| Illegitimate live births % of total live births: | | 2.31 |
| Still-births: | | 3 |
| Still-births Rate per 1000 live and still-births: | | 11.45 |
| Total live and still-births: | | 262 |
| Infant Deaths: | | 3 |
| Infant Mortality Rate per 1000 live-births (total) | | 11.58 |
| Infant Mortality Rate per 1000 live-births (Legitimate) | | 11.85 |
| Infant Mortality Rate per 1000 live-births (Illegitimate) | | Nil. |
| Neo-Natal Mortality Rate (first four weeks) per 1000 total live-births: | | 11.58 |
| Early Neo-Natal Mortality Rate (deaths under 1 week) per 1000 total live-births: | | 11.58 |
| Perinatal Mortality Rate (Still-births and deaths under 1 week combined) per 1000 total live and still-births: | | 22.90 |
| Maternal Mortality (including abortion) | | |
| Number of deaths: | | Nil. |
| Rate per 1000 total live and still-births | | Nil. |
| Deaths (from all causes) | | 145 |

TABLE II

LIVE BIRTHS. - 1961.

| | <u>Males.</u> | <u>Females.</u> | <u>TOTAL</u> |
|--------------|---------------|-----------------|--------------|
| Legitimate | 145 | 108 | 253 |
| Illegitimate | 3 | 3 | 6 |
| TOTAL. | 148 | 111 | 259 |

(1960 total : 268 births. 1959 total : 231 births).

Live-birth rate per 1000 population; 1960 - 18.76; 1961 - 18.91

England and Wales : Live-birth rate per 1000 population; (provisional)
1960 - 17.1; 1961 - 17.4.

These figures show that there were nine births fewer than in 1960. The birth-rate is above the rate for England and Wales as a whole. The Registrar General's "comparability factor" of 0.98 leaves the rate at 18.53 per 1000 population. There were eight more boys and seventeen fewer girls born.

TABLE III

STILL-BIRTHS.

| | <u>Males.</u> | <u>Females.</u> | <u>TOTAL.</u> |
|--------------|---------------|-----------------|---------------|
| Legitimate | 1 | 2 | 3 |
| Illegitimate | - | - | - |
| TOTAL | 1 | 2 | 3 |

(1960 total : 4. 1959 total : 11).

Still-birth rate per 1000 live and still-births: 1960 - 14.70; 1961 - 11.45

Still-birth rate per 1000 population: 1960 - 0.28; 1961 - 0.21

England and Wales: Still-birth rate per 1000 live and still-births;
1960 - 19.7; 1961 - 18.7.

The still-birth rate for the Borough shows a fall. There were 3 still-births in 1961, compared with 4 in 1960 and 11 in 1959.

TABLE IV

DEATH (GENERAL) RATE:

| | Male. | Female. | TOTAL. |
|------------------------|-------|---------|--------|
| All ages (all causes). | 88 | 57 | 145 |

(1960 total - 129; 1959 total : 131)

Death rate per 1,000 population; 1956 - 10.27; 1957 - 10.47; 1958 - 11.07; 1959 - 9.16; 1960 - 9.03; 1961 - 10.59.

England and Wales: Death rate per 1,000 population: 1956 - 11.7; 1957 - 11.5; 1958 - 11.7; 1959 - 11.6; 1960 - 11.5; 1961 - 12.0.

The general death rate shows a rise compared with the previous year. There has been a rise in the rate for England and Wales. There were 16 more deaths in the Borough than in 1960. This crude death rate is lower than the rate for England and Wales as a whole.

DEATH (GENERAL) ANALYSIS.

Examination of this Table shows that there were 63 deaths due to diseases of the heart and circulatory system, and 32 deaths from cancer of all sites. Corresponding figures for the previous year are 68 and 21 respectively. There were 2 deaths from tuberculosis. Deaths from pneumonia, bronchitis and other respiratory diseases totalled 18 (11 in 1960). There were 5 deaths from lung cancer, compared with 3 in 1960, 6 in 1959, 5 in 1958, 6 in 1957, 7 in 1956, 3 in 1955, 1 in 1954 and 11 in 1953. There were 4 deaths due to motor accidents, and 4 due to other accidents.

There were no deaths from diphtheria, whooping cough, poliomyelitis, measles, meningitis. There was no death from pregnancy, childbirth or abortion.

| <u>Cause of Death.</u> | | | | Rate per 1,000 |
|----------------------------------------|----|----|--------|----------------|
| | M. | F. | TOTAL. | population. |
| Malignant Neoplasm - Stomach | 6 | 4 | 10 | 0.73 |
| - Lung and Bronchus | 5 | 0 | 5 | 0.36 |
| - Breast | - | - | - | - |
| - Uterus | - | 3 | 3 | 0.21 |
| Other malignant & Lymphatic Neoplasms | 5 | 9 | 14 | 1.02 |
| Vascular lesion of Nervous System | 8 | 8 | 16 | 1.16 |
| Coronary Disease - Angina | 23 | 4 | 27 | 1.97 |
| Hypertension with Heart Disease | - | - | - | - |
| Other Heart Disease. | 10 | 6 | 16 | 1.16 |
| Other circulatory Disease | - | 4 | 4 | 0.29 |
| Pneumonia | 7 | 4 | 11 | 0.80 |
| Bronchitis | 5 | 1 | 6 | 0.43 |
| Influenza | 1 | 1 | 2 | 0.14 |
| Congenital Malformations | 1 | - | 1 | 0.07 |
| Other Defined and Ill defined Diseases | 9 | 5 | 14 | 1.02 |
| Motor Vehicle Accidents | 4 | - | 4 | 0.29 |
| Diabetes. | - | 1 | 1 | 0.07 |

| <u>Cause of Death.</u> | <u>M.</u> | <u>F.</u> | <u>TOTAL.</u> | <u>Rate per 1000 Population.</u> |
|----------------------------------------|-----------|-----------|---------------|--------------------------------------|
| All other Accidents | 1 | 3 | 4 | 0.29 |
| Suicide | - | - | - | - |
| Leukaemia, Aleukaemia | - | 1 | 1 | 0.07 |
| Ulcer of Stomach or Duodenum | 1 | - | 1 | 0.07 |
| Respiratory Tuberculosis | 1 | 1 | 2 | 0.14 |
| Other Tuberculosis | - | - | - | - |
| Other infective and Parasitic Diseases | - | - | - | - |
| Other Respiratory Diseases | - | 1 | 1 | 0.07 |
| Nephritis and Nephrosis | - | 1 | 1 | 0.07 |
| Pregnancy, childbirth, abortion | - | - | - | - |
| Hyperplasia Prostate | 1 | - | 1 | 0.07 |
| Gastritis, enteritis, diarrhoea | - | - | - | - |
| TOTAL | 88 | 57 | 145 | |

TABLE V.

DEATHS (MATERNAL) :

Causes associated with pregnancy and child-birth. There were no deaths attributable to these causes in 1961, as in 1956, 1957, 1958, 1959 and 1960, compared with 1 in 1955 and none in 1954.

TABLE VI

DEATHS (INFANTILE):

Infants under one year old.

| | <u>Males.</u> | <u>Females.</u> | <u>TOTAL.</u> |
|----------------|---------------|-----------------|---------------|
| Legitimate. | 3 | - | 3 |
| Illegitimate | - | - | - |
| TOTAL : | 3 | - | 3 |

(1960 - 3, 1959 - 10, 1958 - 5)

Infantile Death Rate of Legitimate babies per 1000 legitimate births;
1954 - 27.23, 1955 - 21.18; 1956 - 51.94; 1957 - 29.53; 1958 - 15.38
1959 - 36.19; 1960 - 11.32; 1961 - 11.85

Infantile Death Rate of illegitimate babies per 1000 illegitimate births:
1954 - Nil; 1955 - Nil; 1956 - 71.42; 1957 - Nil; 1958 - 71.42;
1959 - 200; 1960 - Nil; 1961 - Nil.

Infantile Death Rate per 1000 births (legitimate and illegitimate):
1954 - 26.02, 1955 - 20.32 1956 - 53.06; 1957 - 29.04; 1958 - 18.24
1959 - 43.41; 1960 - 11.19; 1961 - 11.58

England and Wales. Infantile Death Rate per 1000 live-births (legitimate and illegitimate): 1954 - 25.5; 1955 - 24.9; 1956 - 23.8; 1957 - 23.0; 1958 - 22.5; 1959 - 22.0; 1960 - 21.7; 1961 - 21.4.

The infantile death rate for England and Wales reached a new low record of 21.4 per 1000 live-births. The rate for Flint Borough shows no change. There were no deaths among illegitimate babies under one year old. Of the 3 infants who died, all were under a week old.

SECTION B.

Health Services for the Borough provided by other authorities.

Ambulance Facilities: Provided by the County Council. An ambulance is available in Flint on a 24 hour service. Transport for all cases is provided by the Ambulance Department, which is administered by the County Health Department.

| | | |
|------------------------------|---|--------------------------------------------|
| Home Nursing |) | Service provided by the County Council. |
| Home Help |) | |
| Midwifery in the Home |) | |
| Health Visiting |) | |
| Tuberculosis Health Visiting |) | |

Vaccination: By arrangement with the Local General Medical Practitioners or by the Medical Officer on request.

Treatment Clinics and Centres: The following Table gives particulars of the centres and Clinics at which facilities for consultation and/or treatment are available to the residents of the Borough.

| CLINICS. | Situation. | Dates and Times of Opening. |
|----------|------------|--------------------------------|
|----------|------------|--------------------------------|

Chest Clinics:-

| | | |
|--------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------|
| (Provided by the Regional Hospital Board). | Cottage Hospital, Holywell, Oaklands, Queensferry and at the Chest Clinic, Wrexham. | Every Tuesday 10.30.a.m. Every Wednesday 10.a.m. |
|--------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------|

| CLINICS. | Situation. | Dates and Times of Opening. |
|--------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| <u>Ante-Natal:-</u> | | |
| (Provided by the County Council). | The Clinic, Boro' Grove, Flint. Tabernacle Schoolroom, Bagillt, (and at Greenfield Clinic. | Tuesday afternoons. 1st. & 3rd. Thursdays 1.30.p.m. to 4.30.p.m. |

Ophthalmic Clinics:-

| | | |
|--------------------------------------|-----------------------|--------------------------------------------------------|
| (Provided by the County Council). | The Clinic, Holywell. | 2nd. & 4th. Tuesday of the month by appointment. |
| | New Clinic, Shotton. | 1st. & 3rd. Mondays of the month by appointment. |

Infant Welfare
and Post Natal:-

| | | |
|--------------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------|
| (Provided by the County Council). | The Clinic, Boro' Grove, Flint. | Every Monday 1.30.p.m. - 4.30.p.m. Medical Officer attends 2nd. & 4th. Monday each month. |
| | Tabernacle Schoolroom, Bagillt. | Thursdays 1.30 - 4.30. p.m. |

Family Planning:-

| | |
|-----------------------------------|-------------------------------------|
| The Clinic Boro' Grove, Flint. | 2nd. & 4th. Thursday afternoons. |
|-----------------------------------|-------------------------------------|

School Clinics:-

| | | |
|--------------------------------------|-----------------------------------|---------------------------------------|
| (Provided by the County Council). | The Clinic Boro' Grove, Flint. | Every Tuesday 9.30.a.m. - 12 noon. |
|--------------------------------------|-----------------------------------|---------------------------------------|

Diphtheria & Whooping
Cough Immunisation:-

| | | |
|--------------------------------------|------------------------------------|-----------------------------------------------------|
| (Provided by the County Council). | The Clinic, Boro' Grove, Flint. | First Friday each month, 9.30.a.m. - 12 noon. |
|--------------------------------------|------------------------------------|-----------------------------------------------------|

Ante-Poliomyelitis
Immunisation:-

At all Clinics by appointment and by General Practitioners.

| CLINICS. | Situation. | Dates and Times of Opening. |
|--------------------------------------------------|-----------------------------------------|--------------------------------------------------------|
| <hr/> | | |
| <u>Orthopaedic:-</u> | | |
| (Provided by the Regional Hospital Board). | Holywell Cottage Hospital. | 2nd. & 4th. Friday each month 10.a.m. - 12 noon. |
| | New Clinic, Central School, Shotton. | 1st. & 3rd. Wed., each Month, 10.a.m. - 12 noon. |

B.C.G. Immunisation
against Tuberculosis:-

| | |
|----------------------------------------|-------------------------------------------------------------|
| (for children between 13-14 years). | This is done in school, with the consent of the parents. |
|----------------------------------------|-------------------------------------------------------------|

Dental:-

| | | |
|--------------------------------------|-----------------------------------|---------------------------------------------------------|
| (Provided by the County Council). | The Clinic Boro' Grove, Flint. | Tuesday 9.30.a.m. and other days (by appointment. |
|--------------------------------------|-----------------------------------|---------------------------------------------------------|

Other Clinic facilities include:-

| | |
|----------------------|-----------------------|
| Ultra-violet therapy | at Holywell and Mold. |
| Ear, Nose and Throat | " " " " |
| Speech Therapy | by arrangement. |

Hospital Accommodation:-

This is provided by the Regional Hospital Board. Facilities are available at Flint Cottage Hospital. Residents are also admitted to other hospitals in the Region.

SECTION C.

Public Health Services provided by the Borough Council.

Water Supply:- The quality of the mains water supply to the Borough continued to be of a high standard. The results of the samples taken for bacteriological examination were as follows:-

| | |
|-----------------------------------------------------------|----------|
| Number of samples taken from mains supply | 81 (71) |
| Number of unsatisfactory results | 3 (4) |
| Number of samples from other public and private supplies: | Nil (11) |
| Number of unsatisfactory results | Nil (7) |

The figures in brackets show the 1960 totals and are for comparison.

During the year reference was made by your Engineer and Surveyor to the limited storage facilities in the Borough. He stated that he was rather concerned that the total combined capacity of the three existing reservoirs is equal to only $1\frac{1}{2}$ days consumption.

Apart from restricting development in certain parts of the town this position could give rise to serious Public Health problems should the incoming supply be cut off for any length of time.

Sewerage & Sewage Disposal. In the Annual Reports for the years 1958, 1959 and 1960 I referred to the plans of the main sewerage scheme for Flint being submitted to the Ministry. This position was unaltered at the close of the year under review.

Five applications were received during the year for grant aid in connection with pail closet to water closet conversions. This was a slight improvement on the previous year.

Refuse Collection and Disposal. Difficulty was again experienced in recruiting sufficient suitable men for refuse collection. In spite of this a reasonable service was maintained during the year.

Late in the year tipping at the Manor Tip ceased and a move was made onto a new tip at Panton Cop. The siting of this tip is ideal from the point of view of proximity to houses but being out of the way it is an attraction to children who take a delight in setting fire to the tipped materials. This is a point which must be closely watched in future.

Nightsoil Collection and Disposal. This service continued to run smoothly during the year and a 7 day interval collection was maintained.

Salvage of Waste Paper. 83 tons. 3 cwts. 3 qtrs. of mixed waste paper was despatched to the Mills during the year. The price remained steady.

Septic Tank and Ceespool Emptying. With extensions of the sewerage system coming into use during the year it was decided to make a charge for emptying septic tanks at properties where a sewer was available. This serves as an incentive to owners of property with a quite satisfactory septic tank to connect to the sewer.

Towards the end of the year a new vehicle was purchased and the old machine disposed of. This machine was in its 14th. year and although its use was limited because of wear on pumps etc., a neighbouring Authority purchased it and put it to good use. Credit must be given to the maintenance staff for this.

Rodent Control. 80 infestations were reported and dealt with during the year compared with 86 during 1960. Routine treatments on Council owned property were carried out. These included almost continuous treatments on the sewage disposal works at Bagillt.

SECTION D.

Housing: At the end of the year a total of 1125 houses were owned by the Council of which 664 were built since 1947.

| | <u>at 31.12.60.</u> | <u>at 31.12.61.</u> |
|------------------------------------------------------------------|---------------------|---------------------|
| Number of Applicants | 254 | 189 |
| Number in rooms and overcrowded | 90 |) 97 |
| Number in rooms not overcrowded | 37 | |
| Number in structurally separate dwellings including overcrowding | 62 | 51 |
| Number of applicants requiring old peoples dwellings | 65 | 41 |

The above figures were supplied by the Council's Housing Manager.

Number of houses built:-

| | 1960 | 1961 |
|-------------|------|------|
| (a) Council | 28 | 43 |
| (b) Private | 23 | 41 |

Slum Clearance. 3 Clearance Areas were declared during the year. These were followed in each case by a Clearance Order. The total number of houses involved was 23.

SECTION E.

FOOD AND DRUGS.

Food Hygiene Regulations:- At the end of 1961 the number of food premises in the Borough was as follows:-

| | |
|--------------------------------|-----------------|
| Cafes, Canteens and Snack Bars | 6 |
| Grocery shops | 39 |
| Fish and Chip Shops | 7 |
| Sweet Shops | 13 |
| Greengrocers | 5 |
| Butchers | 14 |
| Fishmongers | 2 |
| Bakeries | 3 |
| Ice-cream Manufacturers | 1 |
| General | 12 |
| TOTAL : | <hr/> 102 <hr/> |

Routine inspections of these premises continued during the year. Again not as much attention was given to them as I would have liked.

Ice-Cream: Manufacture of ice-cream was carried on in one factory during the year. The premises were inspected from time to time and on each occasion was satisfactory.

Unsound Food: The following food stuffs were examined and found to be unfit for human consumption:-

| | lbs. | ozs. |
|--------------|-----------|-----------------------------|
| Tinned meat | 63 | 10 $\frac{3}{4}$ |
| " fruit | 72 | 8 $\frac{1}{2}$ |
| " vegetables | 29 | 10 |
| " puddings | 2 | 9 |
| " fish | | 13 |
| " soup | 4 | 6 $\frac{1}{2}$ |
| " preserve | 2 | 0 |
| " cream | 1 | 14 |
| TOTAL : | <hr/> 177 | <hr/> 7 $\frac{3}{4}$ <hr/> |

| | | |
|-------------|---|-----------------------|
| Cockles | - | 3 gallons. |
| Ice Cream | - | 51 lbs. (approx). |
| Chocolate | - | 3 lbs. 12 ozs. |
| Tinned Milk | - | 49 pints equivalent. |
| Cod | - | 42 lbs. |
| Haddock | - | 99 $\frac{1}{2}$ lbs. |

Meat Inspection:- There were no slaughterhouses licensed in the Borough during the year.

SECTION F.

Prevalence of, and control over, Infectious and other
Notifiable Diseases (excluding Tuberculosis) - 1961.

TABLE X.

| <u>Names of Disease.</u> | <u>Cases Notified.</u> | <u>Deaths.</u> |
|--------------------------|------------------------|----------------|
| Scarlet Fever | 2 (1) | 0 (0) |
| Whooping Cough | 0 (0) | 0 (0) |
| Acute Pneumonia | 1 (0) | 11 (2) |
| Measles | 131 (190) | 0 (0) |
| Dysentery | 0 (0) | 0 (0) |
| Ophthalmia Neonatorum | 0 (0) | 0 (0) |
| Erysipelas | 0 (2) | 0 (0) |
| Food Poisoning | 0 (0) | 0 (0) |
| Acute Poliomyelitis | 1 (0) | 0 (0) |
| Meningococcal Infection | 0 (0) | 0 (0) |
| Puerperal Pyrexia | 0 (1) | 0 (0) |
| TOTAL : | <u>135 (194)</u> | <u>11 (2)</u> |

(The figures in brackets are those for 1960)

From Table X it will be seen that there was a fall in the prevalence of infectious disease. An outbreak of measles occurred during the spring and summer.

There were 11 deaths from pneumonia compared with 2 in 1960 and 8 in 1959.

One case of poliomyelitis was notified. This was a girl who fell ill after visiting relatives in Chester. She had previously had an anti-poliomyelitis injection and her illness was quite mild. The other members of the family had also been protected, and they remained well.

Analysis of Notifiable (Infectious) Diseases.

TABLE XI

| Disease. | Number of cases and ages. | | | | | | | | | | |
|-------------------------|---------------------------|--------|----|-------|----|-------|-------------|-------|-----------|-------|-----|
| | Under 1 | 1- | 2- | 3- | 4- | 5-9 | 10-14 | 15-24 | 25 & Over | TOTAL | |
| Scarlet Fever | - | - | - | - | - | 1 | 1 | - | - | 2 | |
| Whooping Cough | - | - | - | - | - | - | - | - | - | - | |
| Measles | 9 | 9 | 27 | 17 | 17 | 51 | 1 | - | - | 131 | |
| Polio-myelitis | - | - | - | - | - | 1 | - | - | - | 1 | |
| Meningococcal infection | - | - | - | - | - | - | - | - | - | - | |
| | Under 5 | 5 - 14 | | 15-44 | | 45-64 | 65 and over | | | | |
| Pneumonia | - | - | | 1 | | - | - | | | 1 | |
| Puerperal Pyrexia | - | - | | - | | - | - | | | - | |
| TOTAL : | | | | | | | | | | | 135 |

TABLE XII - TUBERCULOSIS

New Cases Notified in 1961.

| AGE GROUPS. | Respiratory. | | Non-Respiratory. | |
|--------------------|--------------|----------|------------------|----------|
| | Males. | Females. | Males. | Females. |
| Under 5 years | - | - | - | - |
| 5-14 " | 1 | - | - | - |
| 15-24 " | - | - | - | - |
| 25-44 " | 1 | - | - | 1 |
| 45-64 " | 1 | 1 | - | - |
| 65 years and over. | 2 | 1 | - | - |
| TOTAL | 5 | 2 | 0 | 1 |

There were 2 deaths from pulmonary Tuberculosis compared with 2 in 1960. There were no deaths from non-respiratory tuberculosis.

It will be seen from the above Table that there were 7 new cases of pulmonary tuberculosis, and one non-pulmonary case. The continued number of cases notified does not necessarily mean that the incident of tuberculosis is increasing, but it implies that fewer cases remain undetected. (The above numbers include recently arrived residents). (The numbers in 1959 were 9 cases of pulmonary tuberculosis and 1 non-pulmonary and in 1960 - 6 pulmonary)

Satisfactory housing has a considerable effect upon the recovery of cases of tuberculosis and, where necessary, "points" are given on medical grounds of cases of tuberculosis who are applicants for a Council house. I continue to be extremely grateful to the Council for their continued sympathetic consideration of these cases and to your Housing Manager for his close co-operation with the Health Department.

Mass Radiography - 1961 Programme.

The Unit visited factories in the district during the year. The semi-static Unit continued to visit Holywell, Mold, Rhyl and Shotton one day every three weeks. At Holywell 946 attended; at Mold 700, at Rhyl 1,835; and at Shotton 471. Factory workers examined totalled 1,184.

National Assistance Act, 1948 (Section 47)
National Assistance (Amendment) Act, 1951.

No cases were dealt with under these Acts.

B.C.G. Vaccination against Tuberculosis.

This valuable measure against Tuberculosis continued to be administered to children (at secondary schools) between the ages of 12 and 14. At Holywell Grammar School 112 were tested and 72 were vaccinated. At the Blessed Richard Gwyn Secondary Modern School, 59 were tested and 25 vaccinated. At Flint Secondary Modern School 120 were tested and 59 vaccinated. At Hawarden Grammar School 103 were tested and 24 vaccinated.

Polionyelites Vaccination.

This measure, introduced in 1956, continued on a greater scale than before. Many extra sessions were held, and evening sessions held in the Clinics were well attended. By the end of the year 45,445 persons in the County had been vaccinated, and 9,885 had had 2 injections. Thus over 89 per cent of children under 15 years in the County have been protected. The response at Flint was excellent. There was one case of Poliomyelitis during the year, see Table X.

